

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX091418\  
 Data File : VX004554.D  
 Acq On : 15 Sep 2018 00:31  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 15 06:14:43 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091118W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 12 02:17:23 2018  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|--------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0    | 84    | -0.01    |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.911  | 12.2   | 71    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 48.977  | 2.0    | 87    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 45.109  | 9.8#   | 75    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 51.505  | -3.0   | 86    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 49.176  | 1.6    | 85    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 42.525  | 15.0   | 74    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 57.255  | -14.5  | 97    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 42.939  | 14.1   | 76    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 42.407  | 15.2   | 70    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 256.300 | -2.5   | 90    | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.624  | 6.8#   | 81    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 256.775 | -2.7   | 98    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.697  | 0.6    | 85    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 269.296 | -7.7   | 96    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 248.108 | 0.8    | 93    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 44.421  | 11.2   | 74    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 54.892  | -9.8   | 99    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 57.959  | -15.9  | 102   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 52.610  | -5.2   | 96    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.018  | -2.0   | 90    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 56.279  | -12.6  | 97    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 286.862 | -14.7  | 93    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.592  | -7.2   | 92    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 244.340 | 2.3    | 88    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 41.860  | 16.3   | 73    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 54.692  | -9.4   | 94    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 57.050  | -14.1  | 100   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 277.908 | -11.2  | 92    | -0.02    |
| 30 C  | Chloroform                  | 50.000  | 53.978  | -8.0#  | 92    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.125  | 9.8    | 71    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.550  | 0.9    | 85    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 60.022  | -20.0# | 105   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 98    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.719  | 0.6    | 94    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 43.650  | 12.7   | 82    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.549  | 2.9    | 91    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 42.356  | 15.3   | 79    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 40.356  | 19.3   | 72    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 52.385  | -4.8   | 96    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.765  | -1.5   | 96    | -0.01    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 53.036  | -6.1   | 106   | -0.01    |
| 43 T  | Isopropyl Acetate           | 50.000  | 57.520  | -15.0  | 109   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 45.594  | 8.8    | 87    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.660  | -1.3#  | 96    | 0.00     |

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 VSTDCCC050

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 Quant Title : SW846 8260  
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 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|----------|---------|-------|-------|----------|
| 46 T  | Dibromomethane              | 50.000   | 51.578  | -3.2  | 98    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 49.570  | 0.9   | 93    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 51.249  | -2.5  | 92    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 999.170 | 0.1   | 89    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.233  | 5.5   | 91    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 230.151 | 7.9   | 91    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 44.655  | 10.7# | 82    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.612  | -3.2  | 89    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.193  | -0.4  | 91    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.878  | -3.8  | 97    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 55.823  | -11.6 | 96    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 55.194  | -10.4 | 107   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 243.871 | 2.5   | 94    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 261.473 | -4.6  | 102   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 56.684  | -13.4 | 109   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 57.014  | -14.0 | 109   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 47.578  | 4.8   | 93    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 91    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.348  | 3.3   | 83    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.563  | 0.9   | 90    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.524  | -5.0  | 93    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.052  | 1.9#  | 84    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 100.616 | -0.6  | 85    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.773  | -3.5  | 88    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.762  | -7.5  | 89    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.986  | -8.0  | 95    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 90    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.595  | 0.8   | 84    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 54.452  | -8.9  | 94    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 52.343  | -4.7  | 97    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 52.876  | -5.8  | 94    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 52.245  | -4.5  | 93    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.914  | 2.2   | 82    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.926  | 0.1   | 87    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.963  | -1.9  | 85    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.052  | -4.1  | 89    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.171  | -0.3  | 86    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.826  | 0.3   | 85    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.983  | -4.0  | 86    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.096  | 3.8   | 80    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.185  | -0.4  | 83    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.474  | -2.9  | 92    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.367  | 1.3   | 90    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 46.617  | 6.8   | 79    | 0.00     |

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Max. RRF Dev : 20% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|--------|--------|--------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 47.503 | 5.0    | 84    | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 51.182 | -2.4   | 92    | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 53.560 | -7.1   | 90    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 61.814 | -23.6# | 106   | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 51.230 | -2.5   | 93    | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 64.231 | -28.5# | 104   | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 55.512 | -11.0  | 97    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6